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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XII, No. 12 HELENA INDEPENDENT-RECORD HELENA, MONTANA **DECEMBER, 1964**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December 1964, averaged 77,156 barrels daily, a decrease of 8,202 barrels from the average November production of 85,358.

The nine refineries in state processed 98,333 barrels of crude oil daily for the month of December, 1964, an increase of 5,531 barrels from the 92,802 barrels processed daily during the month of November, 1964.

During December, 53 wells were completed, 18 oil, 1 gas well and 34 dry holes.

During December, the commission issued 33 permits to drill new wells, a decrease of 3 from 36 permits issued during November.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF DECEMBER, 1964

IN STORAGE DECEMBER 1st:	
By Producers	356,604
By Transporters	1,021,214
By Refiners	640,743
TOTAL STORAGE	2,018,561
Produced in Montana During Month	2,391,865
Imported During Month	2,002,689
TOTALS	6,413,115
DISPOSITION	
Refined in Montana	3,048,338
Exported	1,551,549
Used for Fuel or Lost	1,859
TOTAL	4,601,746
IN STORAGE DECEMBER 31st:	
By Producers	369,139
By Transporters	933,819
By Refiners	508,411
TOTAL STORAGE	1,811,369

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1964

Field	M Cu. Ft.
Bears Den	0
Big Coulee	147,240
Bowdoin	399,162
Bowes	62,593
Cabin Creek	72,794
Cedar Creek	592,723
Cut Bank (Including Reagan)	788,410
Devon	0
Dry Creek	98,118
Elk Basin	30,436
Flat Coulee	0
Gold Butte	0
Golden Dome	0
Grandview	0
Hardin	2,186
Keith Block	335,899
Kevin Sunburst	90,857
Middle Butte	7,744
Mount Lili	28,086
Pine	54,716
Plevna	13,229
Utopia	120,586
Whitlash	179,801
Miscellaneous	36,578
TOTAL	3,061,158

Total withdrawals for December, 1963 were 3,018,491

PRODUCER'S REPORT—MONTH OF DECEMBER, 1964

Leases	Field	No. of Wells	Storage 1st of Month	Produced Oil	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	326	2,122	----	2,091	----	357
3	Bannatyne	7	1,344	454	----	707	----	1,091
1	Bascom	1	376	130	----	----	----	506
4	Bear's Den	5	1,313	2,020	----	2,156	----	1,177
1	Belfry	1	107	230	----	203	----	134
1	Benrud	1	675	3,075	3,252	----	----	493
1	Benrud East	1	1,053	13,392	13,851	----	----	594
1	Benrud Northeast	1	815	15,562	15,691	----	----	686
8	Big Wall	28	2,162	18,396	18,434	----	----	2,124
7	Blackfoot	11	1,815	4,223	2,723	1,824	----	1,491
1	Bloomfield	1	983	92	----	582	----	493
1	Border	3	206	241	----	241	----	206
1	Bowes	61	5,638	9,373	10,689	----	----	4,322
2	Bradley	2	1,026	885	375	----	----	1,536
—	Brady	----	----	(418)	(418)	----	----	----
1	Bredette North	1	565	63	505	----	----	123
2	Cabin Creek	109	6,908	224,053	224,655	----	----	6,306
13	Cat Creek	88	3,003	16,567	17,111	----	----	2,459
1	Clark's Fork	1	151	86	----	143	----	94
1	Clark's Fork North	1	1,256	903	----	846	----	1,313
2	Conrad South	4	592	876	693	----	----	775
—	Cupton	----	1,115	----	----	----	----	1,115
160	Cut Bank	1,035	102,631	171,239	160,734	2,205	----	110,931
3	Deer Creek	4	2,157	4,702	5,352	----	----	1,507
1	Delphia	1	304	4	----	210	----	98
—	Devil's Basin	----	498	----	----	----	----	498
1	Dry Creek	1	354	34	----	----	----	388
19	Dwyer	20	10,561	36,707	39,917	----	----	7,351
9	Elk Basin	63	3,828	301,366	300,662	----	----	4,532
1	Elk Basin Northwest	1	2,353	1,123	----	1,706	----	1,770
3	Fertile Prairie	3	999	3,032	----	2,785	----	1,246
6	Flat Coulee	27	4,922	33,920	32,825	----	----	6,017
4	Flat Lake	4	2,741	13,167	----	13,532	266	2,110
2	Frannie	2	----	1,439	1,439	----	----	----
19	Fred & George Creek	26	2,014	82,299	81,394	----	----	2,919
—	Gage	----	39	----	----	----	----	39
4	Gas City	27	3,459	58,914	56,072	2,658	----	3,643
6	Glendive	10	1,504	22,432	16,352	5,022	----	2,562
12	Goose Lake	13	4,972	46,040	46,703	----	----	4,309
7	Graben Coulee	16	3,425	4,508	2,263	427	----	5,243
—	Grandview	----	112	----	----	----	----	112
2	Gypsy Basin	2	3,349	105	----	----	----	3,454
1	Hibbard	1	247	384	----	----	----	631
8	Ivanhoe	14	3,725	21,941	21,952	----	62	3,652
8	Keg Coulee	21	4,801	25,134	23,903	----	4	6,028
1	Keg Coulee North	1	----	10,812	----	10,182	----	630
97	Kevin Sunburst	613	15,137	25,217	22,734	----	90	17,530
2	Little Beaver	24	4,247	21,823	21,708	294	----	4,068
3	Little Beaver East	17	2,503	21,968	20,335	----	----	4,136
2	Lodge Grass	2	1,104	2,411	----	2,520	----	995
2	Lone Tree	3	1,119	4,311	----	3,966	----	1,464
25	Lookout Butte	70	4,572	115,869	117,089	----	----	3,352
—	Mackay Dome	----	770	----	----	----	----	770
2	Mason Lake	2	404	2,305	----	2,404	----	305
2	Melstone	5	1,052	3,328	3,120	----	----	1,260
6	Monarch	14	3,884	11,664	11,974	----	----	3,574
4	Mosser	4	----	1,009	----	1,009	----	----
1	Musselshell	1	336	(36)	----	----	----	300
7	Outlook	12	9,602	31,912	30,964	----	----	10,550
2	Outlook South	2	958	3,700	3,014	----	----	1,644
64	Pennel	109	4,361	208,229	208,822	----	----	3,768
4	Pine	130	12,653	305,680	305,207	----	----	13,126
4	Pole Creek	7	2,253	2,645	----	4,010	----	888
66	Pondera	306	9,146	28,593	28,409	----	12	9,318
5	Poplar East	79	12,409	95,915	96,265	----	53	12,006
4	Poplar Northwest	5	2,462	1,189	1,613	----	----	2,038
6	Ragged Point	18	3,562	5,893	6,148	----	----	3,307
3	Reagan	42	2,158	18,527	18,507	----	----	2,178
1	Red Creek	21	4,470	30,290	31,521	----	----	3,239
1	Redstone	1	721	986	766	----	----	941
—	Repeat	----	908	----	----	----	----	908
6	Richey	6	4,968	1,740	2,186	----	----	4,522
6	Richey Southwest	7	3,495	10,858	----	10,037	----	4,316
4	Sand Creek	5	----	5,457	5,457	----	----	----
1	Shotgun Creek	1	281	1,101	----	1,183	----	199
5	Sidney-Brorson	5	3,312	2,303	----	2,725	----	2,890
—	Snyder	----	1,752	----	----	----	----	1,752
4	Soap Creek	8	4,778	3,800	----	3,218	----	5,360
3	Spring Lake	4	3,329	7,027	----	6,993	----	3,363
2	Stensvad	22	6,512	32,702	33,018	----	----	6,196
29	Sumatra	84	11,759	86,713	85,736	----	----	12,736
6	Tule Creek	7	3,311	41,340	42,481	----	----	2,170
2	Tule Crek East	2	1,238	27,444	27,690	----	----	992
1	Tule Creek South	1	917	3,822	----	3,931	----	808
2	Vida	2	1,302	2,559	----	2,983	----	878
2	Volt	2	2,479	7,596	7,688	----	----	2,387
13	Whitlash	34	7,477	16,320	13,651	----	----	10,146
—	Whitlash West	----	140	----	----	----	----	140
2	Wills Creek South	2	873	8,181	7,552	----	----	1,502
9	Wolf Springs	17	3,282	14,450	13,474	----	----	4,258
4	Woodrow	6	981	5,900	5,926	----	----	955
1	Wildcat, Glacier Cty	1	151	159	----	26	----	284
1	Wildcat, McCone Cty	3	3,052	17,338	----	15,840	----	4,550
746		3,329	356,604	2,391,865	2,270,184	108,659	487	369,139

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1963	30,869,653	84,574	30,852,527	84,527
First Quarter, 1964	7,680,757	84,404	7,661,001	84,187
Second Quarter, 1964	7,628,879	83,833	7,643,945	83,999
Third Quarter, 1964	7,725,982	83,978	7,735,893	84,085
October, 1964	2,649,257	85,459	2,648,400	85,432
November, 1964	2,560,752	85,358	2,535,927	84,530
December, 1964	2,391,865	77,156	2,378,843	76,736

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1963	340,101	926,949	566,444	1,833,494
March, 1964	365,053	1,049,139	688,993	2,103,185
June, 1964	346,150	1,115,235	788,338	2,249,723
September, 1964	333,591	1,106,084	682,139	2,121,814
October, 1964	332,965	1,010,276	682,462	2,025,703
November, 1964	356,604	1,021,214	640,743	2,018,561
December, 1964	369,139	933,819	508,411	1,811,369

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF DECEMBER, 1964

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,091				2,091		
BANNATYNE—Truck			707			707			
BEAR'S DEN—Truck			2,156			2,156			
BELFRY—Truck			203				203		
BIG WALL—Glacier Pipeline Co.		18,291				18,291			
BLACKFOOT—Union Oil Co.		2,723				2,723			
Camerland Cardinal Corp.			1,824					1,824	
		2,723	1,824			2,723		1,824	
BLOOMFIELD—Truck			582				582		
BORDER—Truck			241			241			
BOWES—Texaco, Inc.		10,689				10,689			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	312,009	650,162	43,550	733,135			1,452,990		285,866
Shell Pipeline Co.	8,707	327,838		332	(3,582)			334,229	6,230
	320,716	978,000	43,550	733,467	(3,582)		1,452,990	334,229	292,096
CAT CREEK									
Glacier Pipeline Co.		15,046				15,046			
CLARK'S FORK—Truck			989				989		
CUT BANK									
Darling Gathering System, Inc.	2,077	3,942			201			1,928	3,890
Glacier Pipeline Co.			2,632	683,527		686,159			
Phillips Petroleum Co.	80,423	43,805		54,790	2,915	53,281		49,498	73,324
Texas Pipeline Co.	17,066	29,371		8,833	176			41,735	13,359
Union Oil Co.	59,283	70,512		19,834	(42)	80,369			69,302
Western Oil Transportation Co.	38,695	27,403		35,445				72,997	28,546
	197,544	175,033	2,632	802,429	3,250	819,809		166,158	188,421
DELPHIA—Truck			210			210			
DWYER—Portal Pipeline Co.		36,973					36,973		
ELK BASIN—									
Marathon Pipeline Co.		302,110				302,110			
ELK BASIN NORTHWEST—Truck			1,706				1,706		
FLAT COULEE—									
Camerland Cardinal Corp.	3,000	32,712						32,712	3,000
FLAT LAKE—Truck			13,532				13,532		
FRANNIE—Marathon Pipeline Co.		1,439					1,439		
FRED & GEORGE CREEK									
Camerland Cardinal Corp.	26,402	76,633			600	38,077		61,070	3,288
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	7,477	38,110			376			35,546	9,665
GOOSE LAKE—									
Portal Pipeline Co.		46,704					46,704		
IVANHOE—Glacier Pipeline Co.		22,321				22,321			
KEG COULEE—									
Glacier Pipeline Co.		23,738				23,738			
KEG COULEE NORTH—Truck			10,182			10,182			
KEVIN SUNBURST—									
Big West Oil Co.	3,680	29,254				28,247			4,687
Homestake Oil & Gas Co.	957	921		1,928		1,715			2,091
Texas Pipeline Co.	8,611	10,134			292			8,833	9,620
	13,248	40,309		1,928	292	29,962		8,833	16,398
LODGE GRASS—McWood Corp.			2,520			2,520			
LONE TREE—Truck			3,966				3,966		
MASON LAKE—Truck			2,404			2,404			
MELSTONE—									
Glacier Pipeline Co.		3,121				3,121			
MOSSER—Truck			1,009				1,009		
POLE CREEK—Truck			4,010				4,010		
PONDERA—Phillips Petr. Co.	18,727	28,735		49,498	249	72,131			24,580
POPLAR, BENRUD, BENRUD EAST, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY, SIDNEY-BRORSON, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	19,804	246,944			412			244,389‡	21,947
RAGGED POINT—									
Glacier Pipeline Co.		6,147				6,147			
RED CREEK—									
Western Oil Transportation Co.		34,173			341			33,832	
SHOTGUN CREEK—Truck			1,183				1,183		
SIDNEY-BRORSON									
McWood Corp.	10,022		2,725	2,279				8,087	6,939
SOAP CREEK—McWood Corp.	4,964		3,218			2,088			6,094
SPRING LAKE—Truck			6,993				6,993		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	399,310	118,715		1,381	(1,767)	159,782			361,391
WHITLASH AND WHITLASH WEST									
Camerland Cardinal Corp.		10,697				10,697			
WOLF SPRINGS—									
Glacier Pipeline Co.		13,475				13,475			
WILDCAT WELLS—			26					26	
TOTALS	1,021,214	2,282,838	108,659	1,590,982	171	1,568,627	1,574,370	926,706	933,819

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER, 1964

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Tesoro Petr. Corp.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall				18,291						18,291
Blackfoot									2,653	2,653
Border				241						241
Bowes			8,526					3,042		11,568
Cat Creek		15,046		13,298		1,748				30,092
Cut Bank		139,765						91,450	52,981	284,196
Delphia						609				609
Elk Basin		116,144		77,662	108,301					302,107
Fred & George Creek	22,017									22,017
Gage						1,941				1,941
Hibbard						229				229
Ivanhoe					22,321					22,321
Keg Coulee				33,920						33,920
Kevin Sunburst	29,962									29,962
Lodge Grass		2,520								2,520
Mason Lake						3,059				3,059
Melstone				3,121						3,121
Pondera								33,017		33,017
Ragged Point		6,147								6,147
Red Creek					33,832					33,832
Richey						200	17,542			17,742
Soap Creek		2,088								2,088
Sumatra & Stensvad		21,099		72,417	66,266					159,782
Whitlash	10,697									10,697
Wolf Springs					13,497					13,497
Total Montana Oil	62,676	302,809	8,526	218,950	244,217	7,786	17,542	127,509	55,634	1,045,649
Canadian Oil Imported		535,613			137				1,812	537,562
Wyoming Oil Imported		208,178		449,956	805,036	1,957				1,465,127
Total Montana, Canadian, and Wyoming Oil	62,676	1,046,600	8,526	668,906	1,049,390	9,743	17,542	127,509	57,446	3,048,338

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1963	32,324	4,255	40,398	76,977
December, 1963	31,432	5,144	38,230	74,806
December, 1964	33,730	17,341	47,262	98,333

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.99%	5.53%	52.48%
42.01%	6.89%	51.10%
34.30%	17.64%	48.06%